

Search Date: 9/18/06

SYSTEM:OS - DIALOG OneSearch

File 15:ABI/Inform(R) 1971-2006/Sep 18
(c) 2006 ProQuest Info&Learning
File 9:Business & Industry(R) Jul/1994-2006/Sep 15
(c) 2006 The Gale Group
File 810:Business Wire 1986-1999/Feb 28
(c) 1999 Business Wire
File 275:Gale Group Computer DB(TM) 1983-2006/Sep 15
(c) 2006 The Gale Group
File 476:Financial Times Fulltext 1982-2006/Sep 18
(c) 2006 Financial Times Ltd
File 610:Business Wire 1999-2006/Sep 18
(c) 2006 Business Wire.
*File 610: File 610 now contains data from 3/99 forward.
Archive data (1986-2/99) is available in File 810.
File 624:McGraw-Hill Publications 1985-2006/Sep 18
(c) 2006 McGraw-Hill Co. Inc
*File 624: Homeland Security & Defense and 9 Platt energy journals added
Please see HELP NEWS624 for more
File 636:Gale Group Newsletter DB(TM) 1987-2006/Sep 15
(c) 2006 The Gale Group
File 621:Gale Group New Prod.Annou.(R) 1985-2006/Sep 15
(c) 2006 The Gale Group
File 613:PR Newswire 1999-2006/Sep 18
(c) 2006 PR Newswire Association Inc
*File 613: File 613 now contains data from 5/99 forward.
Archive data (1987-4/99) is available in File 813.
File 813:PR Newswire 1987-1999/Apr 30
(c) 1999 PR Newswire Association Inc
File 16:Gale Group PROMT(R) 1990-2006/Sep 15
(c) 2006 The Gale Group
File 160:Gale Group PROMT(R) 1972-1989
(c) 1999 The Gale Group
File 634:San Jose Mercury Jun 1985-2006/Sep 16
(c) 2006 San Jose Mercury News
File 148:Gale Group Trade & Industry DB 1976-2006/Sep 18
(c)2006 The Gale Group
File 20:Dialog Global Reporter 1997-2006/Sep 18
(c) 2006 Dialog
File 35:Dissertation Abs Online 1861-2006/Aug
(c) 2006 ProQuest Info&Learning
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
(c) 2002 The Gale Group
*File 583: This file is no longer updating as of 12-13-2002.
File 65:Inside Conferences 1993-2006/Sep 18
(c) 2006 BLDSC all rts. reserv.
File 2:INSPEC 1898-2006/Sep W2
(c) 2006 Institution of Electrical Engineers
File 474:New York Times Abs 1969-2006/Sep 17
(c) 2006 The New York Times
File 475:Wall Street Journal Abs 1973-2006/Sep 15
(c) 2006 The New York Times
File 99:Wilson Appl. Sci & Tech Abs 1983-2006/Jul
(c) 2006 The HW Wilson Co.
File 348:EUROPEAN PATENTS 1978-2006/ 200637
(c) 2006 European Patent Office
*File 348: For important information about IPCR/8 and forthcoming
changes to the IC= index, see HELP NEWSIPCR.
File 349:PCT FULLTEXT 1979-2006/UB=20060914UT=20060907

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*File 349: For important information about IPCR/8 and forthcoming changes to the IC= index, see HELP NEWSIPCR.

File 347: JAPIO Dec 1976-2005/Dec (Updated 060404)

(c) 2006 JPO & JAPIO

Set	Items	Description
---	-----	-----
? s	(domain (1w) names)	
	898506	DOMAIN
	3478086	NAMES
S1	51488	(DOMAIN (1W) NAMES)
? s s1	(20n) (identif?????? ?) (10n)	(subject or service or goods or merchandise)
Processing		
Processed 10 of 26 files ...		
Processing		
Processed 20 of 26 files ...		
Completed processing all files		
	51488	S1
	6934481	IDENTIF?????? ?
	5804362	SUBJECT
	19930724	SERVICE
	3405430	GOODS
	908852	MERCHANDISE
S2	282	S1 (20N) (IDENTIF?????? ?) (10N) (SUBJECT OR SERVICE OR GOODS OR MERCHANDISE)
? s s2	and (provider or seller or merchant or vendor or retailer)	
	282	S2
	5777477	PROVIDER
	461752	SELLER
	651930	MERCHANT
	1360667	VENDOR
	1311900	RETAILER
S3	135	S2 AND (PROVIDER OR SELLER OR MERCHANT OR VENDOR OR RETAILER)
? rd	s3	

>>>Duplicate detection is not supported for File 348.

>>>Duplicate detection is not supported for File 349.

>>>Duplicate detection is not supported for File 347.

>>>Records from unsupported files will be retained in the RD set.

S4 87 RD S3 (unique items)

? s s4 and pd<19990924

>>>File 15 processing for PD= : PD=19990924

>>> started at PD=710000 stopped at PD=930106

>>>File 9 processing for PD= : PD=19990924

>>> started at PD=871119 stopped at PD=990324

>>>File 810 processing for PD= : PD=19990924

>>> started at PD=850116 stopped at PD=911127

>>>File 275 processing for PD= : PD=19990924

>>> started at PD=140103 stopped at PD=890111

>>>File 476 processing for PD= : PD=19990924

>>> started at PD=19820102 stopped at PD=19881015

>>>File 624 processing for PD= : PD=19990924

>>> started at PD=104 stopped at PD=921201

>>>File 636 processing for PD= : PD=19990924

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```
>>> started at PD=19880101 stopped at PD=19940324
>>>File 621 processing for PD= : PD=19990924
>>> started at PD=00000000 stopped at PD=19910208
>>>File 813 processing for PD= : PD=19990924
>>> started at PD=100000 stopped at PD=900920
>>>File 16 processing for PD= : PD=19990924
>>> started at PD=19900101 stopped at PD=19950623
```

Processing

Processed 10 of 26 files ...

```
>>>File 160 processing for PD= : PD=19990924
>>> started at PD=2103 stopped at PD=770314
>>>File 634 processing for PD= : PD=19990924
>>> started at PD=12/7/04 stopped at PD=901208
>>>File 148 processing for PD= : PD=19990924
>>> started at PD=140105 stopped at PD=830728
>>>One or more prefixes are unsupported
>>> or undefined in one or more files.
>>>File 583 processing for PD= : PD=19990924
>>> started at PD=100001 stopped at PD=890322
>>>File 474 processing for PD= : PD=19990924
>>> started at PD=101111 stopped at PD=740603
>>>File 475 processing for PD= : PD=19990924
>>> started at PD=191111 stopped at PD=810213
>>>File 99 processing for PD= : PD=19990924
>>> started at PD=DEC.1200 stopped at PD=19910204
```

Processing

Processed 20 of 26 files ...

```
>>>File 347 processing for PD= : PD=19990924
>>> started at PD=197610 stopped at PD=19830411
```

Processing

Completed processing all files

```
87 S4
17775792 PD<19990924
S5 1 S4 AND PD<19990924
? t s5/7,k/1
```

5/7,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00995475

Method and apparatus for directing E-Mail

Verfahren und Gerat zur Vermittlung von elektronischer Post

Methode et appareil pour acheminer le courrier electronique

PATENT ASSIGNEE:

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PATENT (CC, No, Kind, Date): EP 899919 A2 990303 (Basic)

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Search Date: 9/18/06

EP 899919 A3 990818

APPLICATION (CC, No, Date): EP 98306847 980826;

PRIORITY (CC, No, Date): ZA 977831 970901

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
LU; MC; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS (V7): H04L-012/58

ABSTRACT EP 899919 A2

A central mail server (32) and a plurality of loosely connected sites (38.1,38.2) are connected to the Internet (100). The central mail server (32) is associated with a unique Transmission Control Protocol/Internet Protocol (TCP/IP) address. Each loosely connected site (38.1,38.2) is associated with a unique domain name, all said domain names being mapped to the TCP/IP address. Mail addressed to the loosely connected sites utilising said domain names is forwarded on the basis of the TCP/IP address to the central mail server (32) where the mail is stored. Upon connection of one of said loosely connected sites (38.1,38.2) to the Internet (100) via a temporary line (36.4) associated with a temporary TCP/IP address, that TCP/IP address is established. E-mail stored and addressed with the domain name of that loosely connected site is forwarded from said central mail server (32) to that loosely connected site via said temporary line.

ABSTRACT WORD COUNT: 149

NOTE:

Figure number on first page: 2

LEGAL STATUS (Type, Pub Date, Kind, Text):

Withdrawal: 001206 A2 Date application deemed withdrawn: 20000219

Application: 990303 A2 Published application (A1with Search Report
;A2without Search Report)

Search Report: 990818 A3 Separate publication of the search report

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9909	590
SPEC A	(English)	9909	1943
Total word count - document A			2533
Total word count - document B			0
Total word count - documents A + B			2533

CLAIMS 1. A method of directing electronic mail (E-mail) receivable via the Internet and which is intended for one of a plurality of loosely connected sites, the method comprising the steps of:
providing a mail server (32) that is connectable with the Internet (100);
causing a Transmission Control Protocol/Internet Protocol (TCP/IP) address to be associated with the mail server (32);
allocating to each of a plurality of loosely connected sites (38.1,38.2) a unique domain name;
causing all of said domain names to be associated with a common TCP/IP address;
causing the mail server (32) to be connected with the Internet;
receiving and storing E-mail intended for said sites (38.1,38.2) on the mail server (32);
upon connection of one of said loosely connected sites (38.1,38.2) to the Internet (100) via a temporary line (36.4) associated with a temporary TCP/IP address, establishing that temporary TCP/IP address;

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- and,
causing the mail with the domain name associated with that site to be forwarded to that site via the line (36.4) associated with the temporary TCP/IP address.
2. A method according to claim 1, including the step of causing the loosely connected sites (38.1,38.2) to be intermittently connected to the Internet (100).
 3. A method according to claim 1 or claim 2, including the step of causing the mail server (32) to identify and verify the identity of a connected site before mail with the domain associated with that site is forwarded to that site.
 4. A method according to any one of the preceding claims, further comprising the steps of storing mail delivered to a site on a mail server (40) at said site and making mail intended for a station (pr1,pr2,pr3,pr4) connected at said site in a network configuration available for access by said station (pr1,pr2,pr3,pr4) on the basis of an alias associated with the domain name for said site.
 5. Apparatus for directing electronic mail (E-mail) received via the Internet, the apparatus comprising
a central mail server (32) connectable to the Internet (100); and,
a plurality of loosely connected sites (38.1,38.2) connectable to the Internet (100),
the central mail server (32) being associated with a unique Transmission Control Protocol/Internet Protocol (TCP/IP) address; and,
each loosely connected site (38.1,38.2) being associated with a unique domain name, all said domain names being mapped to the TCP/IP address;
the arrangement being such that, in use, mail addressed to the loosely connected sites utilizing said domain names is forwarded on the basis of the TCP/IP address to the central mail server (32) where the mail is stored;
the apparatus further comprising connection facilitating means (46,48) for establishing, upon connection of one of said loosely connected sites (38.1,38.2) to the Internet (100) via a temporary line (36.4) associated with a temporary TCP/IP address, that TCP/IP address; and,
control means (46) for forwarding from said central mail server (32) to that loosely connected site via said temporary line, E-mail stored and addressed with the domain name of that loosely connected site.
 6. Apparatus according to claim 5, further comprising a distributed mail server (40) located at each loosely connected site for storing the mail forwarded to that site.
 7. Apparatus according to claim 5 or claim 6, wherein the control means (46) is arranged to verify the identity of a connected site before mail addressed with the domain name of that site is forwarded to that site.
 8. Apparatus according to any of claims 5 to 7, wherein the connection facilitating means (46,48) comprises a processor (46) forming part of or associated with said central mail server (32) and running a first application-specific computer program and a processor (48) forming part of or associated with the distributed mail server (40) at said loosely connected site and running a second application-specific computer program.
- ...SPECIFICATION called fully connected site is permanently connected via a leased line to an Internet Service **Provider** (ISP), who provides access to the Internet. With this system, the user owns a domain...
connected site 12 is permanently connected via a leased line 14 to an Internet Service *****Provider***** (ISP) 16. The ISP 16 provides access to the Internet. The site 12 owns a...

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...32 or Message Transfer Agent (MTA) located at the site 31 of a mail service ***provider***. The server 32 is permanently connected to the Internet 100 via an ISP 34.

A...

...1 and 38.2 of which are shown. The sites are customers of mail service ***provider*** 31. The sites may be substantially similar in configuration and architecture and therefore only site...

...to a single TCP/IP address for the mail server 32 at the mail service ***provider*** site 31.

Mail originating from sender 44 and intended for site 38.1 is sent...

...address. The mail is received by the server 32 and stored in accordance with the ***domain*** ***names*** used.

At the mail **service provider** 31 there are provided connection facilitating means and TCP/IP address **identifier** means 46. In an example, these are in the form of application specific software 46...

...lines 36.1 to 36.n, as described above. When so connected, the mail service **provider** 31 identifies and verifies the identity of the connected site. Only after this verification is...

?

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	18489	track same (supplier or (web near page) or (webnear site))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/18 13:55
L2	41187	(database or file or stor\$3) same ((personal or individual or consumer or user or buyer or purchaser) near5 (data or profile or information) and (provider or URL))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/18 13:58
L3	2247	(RECEIV\$3 OR SEND\$3 OR TRANSMIT\$4) SAME REQUEST SAME (DOMAIN ADJ NAME)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/18 13:59
L4	391	(RECEIV\$3 OR SEND\$3 OR TRANSMIT\$4) SAME REQUEST SAME (DOMAIN ADJ NAME) SAME (IDENTIF\$7 NEAR10 (REQUEST SUBJET OR ITEM OR SERVICE))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/18 14:00
L5	2287	L1 AND L2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/18 14:00
L6	<i>Full</i> 11	L5 AND L4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/18 14:04
L7	4972	705/26.CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/18 14:04

EAST Search History

L8	1594	705/27.CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/18 14:04
L9	3894	705/14.CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/18 14:04
L10	2312	705/35.CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/18 14:04
L11	1393	705/40.CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/18 14:04
L12	1802	709/245.CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/18 14:05
L13	157	L7 AND L5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/18 14:06
L14	49	L8 AND L5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/18 14:06

EAST Search History

L15	142	L9 AND L5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/18 14:06
L16	24	L10 AND L5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/18 14:06
L17	32	L11 AND L5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/18 14:06
L18	20	L12 AND L5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/18 14:06
L19	6	L13 AND L3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/18 14:09
L20	5	L14 AND L3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/18 14:11
L21	2	L15 AND L3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/18 14:12

EAST Search History

L22	0	L16 AND L3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/18 14:07
L23	0	L17 AND L3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/18 14:07
L24	3	L18 AND L3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/18 14:12

Full